

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
25 August 2005 (25.08.2005)

PCT

(10) International Publication Number  
**WO 2005/078008 A1**

(51) International Patent Classification<sup>7</sup>: **C08J 5/00**,  
B29C 47/88, C08L 101/00, C08K 3/04, 7/06 // H01R  
33/76, 13/46, C08L 101:00, 71:10, 79:08, 81:02, B29K  
101:00, B29L 7:00, 23:00

(21) International Application Number:  
PCT/JP2005/002502

(22) International Filing Date: 9 February 2005 (09.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2004-038076 16 February 2004 (16.02.2004) JP

(71) Applicant (for all designated States except US):  
**KUREHA CHEMICAL INDUSTRY COMPANY,  
LIMITED** [JP/JP]; 9-11 Nihonbashi Horidomecho  
1-chome, Chuo-ku, Tokyo, 1038552 (JP).

(72) Inventors; and

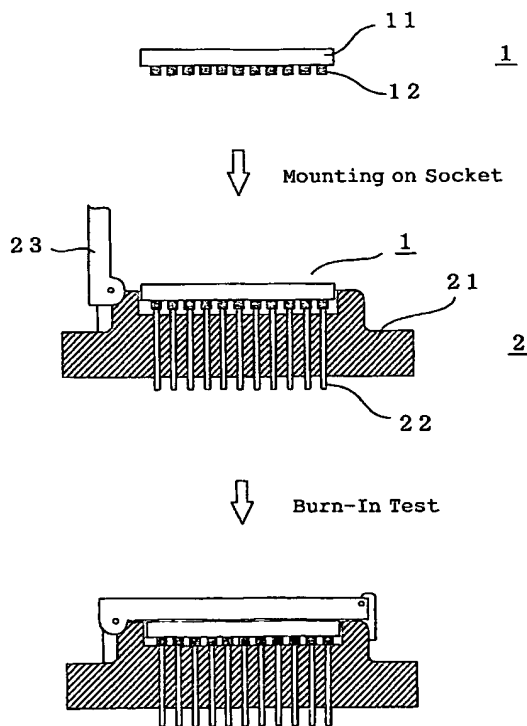
(75) Inventors/Applicants (for US only): **NISHIHATA,**  
Naomitsu [JP/JP]; c/o Kureha Chemical Industry Com-  
pany, Limited, 9-11 Nihonbashi Horidomecho 1-chome,  
Chuo-ku, Tokyo, 1038552 (JP). **KAWASAKI, Tatsuya**  
[JP/JP]; c/o Kureha Chemical Industry Company, Limited,  
9-11 Nihonbashi Horidomecho 1-chome, Chuo-ku, Tokyo,  
1038552 (JP).

(74) Agent: **NISHIKAWA, Shigeaki**; Visual City 401, 43-9,  
Higashi-Nippori 3-chome, Arakawa-ku, Tokyo, 1160014  
(JP).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG,  
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG,  
MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH,

[Continued on next page]

(54) Title: STOCK SHAPE FOR MACHINING AND PRODUCTION PROCESS THEREOF



(57) Abstract: A stock shape for machining, which is composed of an extruded product of a resin composition comprising 30 to 94 % by mass of a thermoplastic resin (A), 5 to 40 % by mass of a carbon precursor (B) having a volume resistivity of  $10_2$  to  $10_{10}$   $\Omega$ cm and 1 to 30 % by mass of a conductive filler (C) having a volume resistivity lower than  $10_2$   $\Omega$ cm and has a thickness or diameter exceeding 3 mm, and a process for producing the stock shape by extrusion and solidification of the resin composition.



PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN,  
TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

**Published:**

— *with international search report*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*